

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1-12. (Cancelled).

13. (Currently Amended) A method, comprising:

displaying, using a processing device, standard patient-language ~~ear~~cardinal symptoms on an interface of a display device as one of a selection item and a check item of a chief complaint field of a medical record; ~~[[and]]~~

using an input device to select or check one of the standard patient-language ~~ear~~cardinal symptoms to enter the selected patient-language ~~ear~~cardinal symptom in the chief complaint field so as to generate a new medical record that identifies the selected patient-language ~~ear~~cardinal symptom as a chief complaint,

wherein the standard patient-language ~~ear~~cardinal symptoms are selected extracted patient-language terms used in existing medical records of patients regarding ~~ear~~cardinal symptoms of the patients, and

wherein the standard patient-language ~~ear~~cardinal symptoms are accessed from a database which stores the standard patient-language ~~ear~~cardinal symptoms so as to be free from association with any particular medical record,

wherein the standard patient-language ~~ear~~cardinal symptoms are mapped to standard codes, and

wherein the mapping comprises,

imparting a concept identifier of a standard code to each of the standard patient-language ~~ear~~cardinal symptoms, and

classifying each of the mapped patient-language ~~ear~~cardinal symptoms according to whether a concept of the patient-language ~~ear~~cardinal symptom exactly matches or ~~substantially~~ matches the imparted concept identifier of the standard code; and

retrieving a concept that is similar or broader to the patient language symptom if the patient-language symptom does not exactly match the imparted concept identifier of the standard code.

14. (Previously Presented) The method of claim 13, wherein the database also stores selected terms regarding diagnosis names, operation names, terms used upon writing of the status of patients by nurses, terms used upon writing of the status of the patients by doctors, prescription terms used by doctors, and medicine terms.

15. (Previously Presented) The method of claim 14, further comprising using the input device to perform a standard statement sentence write function that combines the selected terms used upon writing of the status of patients by nurses into a standard statement sentence used to write a medical record.

16. (Currently Amended) The method of claim 13, wherein the displaying further comprises displaying the standard patient-language ~~cardinal~~ symptoms as selection items applicable to writing of a sentence in the medical record.

17. (Currently Amended) The method of claim 13, further comprising using the input device to modify, delete, or add to the standard patient-language ~~cardinal~~ symptoms in the database.

18. (Previously Presented) The method of claim 13, further comprising communicating over a network with a doctor terminal, a nurse terminal, an examination room staff terminal, and a general medical affairs terminal to perform the displaying.

19. (Previously Presented) The method of claim 13, wherein the selected extracted patient-language terms are from discharge summaries.

20. (Previously Presented) The method of claim 13, wherein the selected extracted patient-language terms are separated into main concepts, concept qualifiers, and concept modifiers.

21. (Previously Presented) The method of claim 20, wherein the main concepts are aligned on a spelling and concept basis.

22. (Cancelled).

23. (Cancelled).

24. (Withdrawn) A method comprising:

extracting, using a processing device, terms used in existing medical records of patients regarding cardinal symptoms of the patients;

separating the extracted terms into main concepts, concept qualifiers, and concept modifiers, wherein the main concepts are aligned on a spelling and concept basis;

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selecting, using the processing device, a plurality of terms as standard terms from the extracted terms that were separated as being the main concepts;

mapping the standard terms to standard codes, wherein the mapping comprises:

imparting a concept identifier of a standard code to each of the standard terms; and

classifying each of the mapped standard terms according to whether a concept of the standard term exactly matches or substantially matches the imparted concept identifier of the standard code; and

storing, using the processing device, the standard terms in a database, wherein the standard terms are stored in the database so as to be free from association with a particular medical record.

25. (Withdrawn) The method of claim 24, further comprising:

selecting, by the service-providing system, a plurality of second terms regarding diagnosis names, operation names, terms used upon writing of the status of patients by nurses, terms used upon writing of the status of the patients by doctors, prescription terms used by doctors, and medicine terms; and

storing, by the service-providing system, the selected plurality of second terms in a database, wherein the selected plurality of second terms are stored in the database so as to be free from association with a particular medical record.

26. (Withdrawn) The method of claim 24, further comprising modifying the standard terms, deleting the standard terms, or adding to the standard terms in the database.

27. (Withdrawn) The method of claim 24, further comprising using discharge summaries as the medical records.

28. (Currently Amended) A tangible computer-readable medium having stored thereon, computer-executable instructions that, if executed by a computing device, cause the computing device to perform a method comprising:

displaying standard patient-language ~~cardinal~~ symptoms on an interface of a display device as one of a selection item and a check item of a chief complaint field of a medical record; [[and]]

selecting or checking one of the standard patient-language ~~eardinal~~ symptoms to enter the selected patient-language ~~eardinal~~ symptom in the chief complaint field so as to generate a new medical record that identifies the selected patient-language ~~eardinal~~ symptom as a chief complaint,

wherein the standard patient-language ~~eardinal~~ symptoms are selected extracted patient-language terms used in existing medical records of patients regarding ~~eardinal~~ symptoms of the patients, and

wherein the standard patient-language ~~eardinal~~ symptoms are accessed from a database which stores the standard patient-language ~~eardinal~~ symptoms so as to be free from association with any particular medical record,

wherein the standard patient-language ~~eardinal~~ symptoms are mapped to standard codes,

wherein the mapping comprises,

imparting a concept identifier of a standard code to each of the standard patient-language ~~eardinal~~ symptoms, and

classifying each of the mapped patient-language ~~eardinal~~ symptoms according to whether a concept of the patient-language ~~eardinal~~ symptom exactly matches or ~~substantially~~ matches the imparted concept identifier of the standard code; and

retrieving a concept that is similar or broader to the patient language symptom if the patient-language symptom does not exactly match the imparted concept identifier of the standard code.

29. (Withdrawn) A tangible computer-readable medium having stored thereon, computer-executable instructions that, if executed by a computing device, cause the computing device to perform a method comprising:

extracting terms used in existing medical records of patients regarding ~~eardinal~~ symptoms of the patients;

separating the extracted terms into main concepts, concept qualifiers, and concept modifiers, wherein the main concepts are aligned on a spelling and concept basis;

selecting a plurality of terms as standard terms from the extracted terms that were separated as being the main concepts;

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mapping the standard terms to standard codes, wherein the mapping comprises:
imparting a concept identifier of a standard code to each of the standard terms;
and

classifying each of the mapped standard terms according to whether a concept of
the standard term exactly matches or substantially matches the imparted concept
identifier of the standard code; and

storing the standard terms in a database, wherein the standard terms are stored in
the database so as to be free from association with a particular medical record.

30. (Cancelled)

31. (Withdrawn) The method of claim 24, further comprising:

retrieving a concept that is similar or broader to the patient language cardinal
language symptom when the patient-language cardinal symptom does not exactly match
the imparted concept identifier of the standard code.

32. (Cancelled)

33. (Withdrawn) The computer readable medium of claim 29, the method
further comprising:

retrieving a concept that is similar or broader to the patient language cardinal
language symptom when the patient-language cardinal symptom does not exactly match
the imparted concept identifier of the standard code.